

TITLEAROMATIC POLYMERS WITH MULTIPLE SIDE CHAINS AND
METHODS FOR USE THEREOFABSTRACT OF THE INVENTION

5 Polymeric compositions are provided comprising aromatic
monomeric units selected from fluorene, spirofluorene, and bridged
biphenyl, wherein the polymeric composition has at least two different
substituents selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl,
alkynyl, heteroalkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl. The
10 variation of substituents alters the morphology of invention polymeric
compositions relative to polymers that lack variation of substituents. When
used as an active layer(s) in electroluminescent (EL) devices, the altered
morphology results in EL layers with improved efficiency, which in turn
results in more efficient EL devices. The polymeric compositions of the
15 invention also have increased solubility in solvents and better film-forming
properties.

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